

Title (en)

GROUP OPERATIONS IN MACHINE-TO-MACHINE NETWORKS USING A SHARED IDENTIFIER

Title (de)

GRUPPENOPERATIONEN IN MASCHINE-ZU-MASCHINE-NETZWERKEN UNTER VERWENDUNG EINES GEMEINSAMEN IDENTIFIKATORS

Title (fr)

OPÉRATIONS DE GROUPE DANS DES RÉSEAUX DE MACHINE À MACHINE UTILISANT UN IDENTIFICATEUR PARTAGÉ

Publication

**EP 2826265 A2 20150121 (EN)**

Application

**EP 13720571 A 20130308**

Priority

- US 201213420241 A 20120314
- IB 2013051870 W 20130308

Abstract (en)

[origin: US2013246519A1] In a Machine-to-Machine (M2M) network, efficient subscription of a M2M network application to a potentially very large number of device applications executing on remote devices is facilitated by the use of a shared "link-subscription identifier." Each related device application (e.g., utility meter reading applications) includes a shared link-subscription identifier in its registration to a M2M network gateway or a M2M services capability (SC). The gateways maintain a binding between link-subscription identifiers in the device applications associated with them. To subscribe to all related device applications, a network application includes the link-description identifier in a subscription request to the M2M SC. The M2M SC, in turn, includes the link-subscription identifier in subscription requests it forwards to gateways and directly-connected remote devices. If the link-subscription identifier is one that is maintained locally by a gateway, the gateway forwards the subscription request to all remote devices executing associated device applications.

IPC 8 full level

**H04W 4/70** (2018.01); **H04W 4/08** (2009.01)

CPC (source: EP US)

**H04W 4/08** (2013.01 - EP US); **H04W 4/70** (2018.01 - EP US)

Citation (search report)

See references of WO 2013136243A2

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**US 2013246519 A1 20130919; US 8782195 B2 20140715;** CN 104170410 A 20141126; CN 104170410 B 20190322; EP 2826265 A2 20150121; WO 2013136243 A2 20130919; WO 2013136243 A3 20140320; WO 2013136243 A4 20140522

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